temperature of the exterior vessel 203 can be held lower than that of the high-pressure reactor 200. For instance, in the case of the present embodiment, the exterior vessel 203 is preferable to be cooled for the temperature thereof to be approximately 100°C to 200°C.

Please amend the paragraph on page 61, lines 17–20 as follows:

To the high-pressure reactor 200, the coupling support 219, the waste feeding or object feeding pipe 145, the reaction medium feed pipe 309, the products exhaust pipe 402 and a pressure sensor 231 are fixed removable.

IN THE CLAIMS:

Please amend claims 15 to 21 and add new claims 26 and 27 as follows:

15. (Amended) A pressure treatment apparatus for processing a treatment object including a solid waste, comprising:

a pressure reactor;

an exterior vessel in which the pressure reactor is installed through a gap, the exterior vessel being isolated from a treatment object and a reaction medium;

means for feeding the treatment object including the solid waste into the pressure reactor;

means for feeding the reaction medium into the pressure reactor; and

means for controlling pressure within the gap between the exterior vessel and the pressure reactor to be higher than that within the pressure reactor.

16. (Amended) The pressure treatment apparatus as set forth in claim 15,

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

wherein the means for controlling pressure within the gap comprises a fluid feeder for feeding a pressure holding fluid into the gap and a pressure controller for controlling pressure of the pressure holding fluid.

17. (Amended) The pressure treatment apparatus as set forth in claim 15, further comprising means for controlling temperature of the exterior vessel to be lower than that of the pressure reactor.

18. (Amended) The pressure treatment apparatus as set forth in claim 15, wherein the exterior vessel comprises a trunk portion and a cover portion that opens and shuts, the pressure reactor being fixed to be removable to the exterior vessel.

19. (Amended) The pressure treatment apparatus as set forth in claim 15, wherein the pressure reactor is formed of at least one selected from the group consisting of austenite stainless steel, Ni, Zr, Ti, Ta, Au, Pt, and alloys thereof.

20. (Amended) The pressure treatment apparatus as set forth in claim 15, wherein an inner surface of the pressure reactor is lined with at least one selected from the group consisting of austenite stainless steel, Ni, Zr, Ti, Ta, Au, Pt, alloys thereof.

21. (Amended) The pressure treatment apparatus as set forth in claim 15, wherein an inner surface of the pressure reactor is coated by ceramic material by thermally spraying.

--26. (New) The pressure treatment apparatus as set forth in claim 16, wherein the pressure holding fluid is water.

27. (New) The pressure treatment apparatus as set forth in claim 15, wherein the means for feeding a treatment object including a solid waste comprises a first solid

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HENDERSON
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DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com